



INT-03-003

IFW

May 21, 2004

To: Commissioner for Patents  
P.O.Box 1450  
Alexandria, VA 22313-1450

Fr: George O. Saile, Reg. No. 19,572  
28 Davis Avenue  
Poughkeepsie, N.Y. 12603

Subject: | Serial No. 10/799,103 03/12/04 |

Thomas Aisenbrey

CONDUCTOR CENTER-CORE EXTRUSION,  
COMPRESSION, AND INJECTION MOLDINGS  
FOR LOW COST ANTENNAS USING  
CONDUCTIVE PLASTICS OR CONDUCTIVE  
COMPOSITES

#### INFORMATION DISCLOSURE STATEMENT

Enclosed is Form PTO-1449, Information Disclosure Citation  
In An Application.

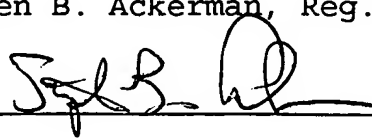
The following Patents and/or Publications are submitted to  
comply with the duty of disclosure under CFR 1.97-1.99 and  
37 CFR 1.56.

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being  
deposited with the United States Postal Service as first class  
mail in an envelope addressed to: Commissioner for Patents,  
P.O. Box 1450, Alexandria, VA 22313-1450, on May 24, 2004.

Stephen B. Ackerman, Reg.# 37761

Signature/Date

 5/24/04

UK Patent Application GB 2 377 449 A to Michael Patrick Sayers, "Electrically Conductive Polymer Composition," discusses electrically conductive compositions, and to their use to prevent electrostatic discharges and to earth electrical devices.

U.S. Patent 5,771,027 to Marks et al., "Composite Antenna," describes a composite antenna having a grid comprised of electrical conductors woven into the warp of a resin reinforced cloth forming one layer of a multi-layer laminate structure of an antenna.

U.S. Patent 6,249,261 to Solberg, Jr. et al., "Polymer, Composite, Direction-Finding Antenna," describes a direction-finding material constructed from polymer composite materials which are electrically conductive.

U.S. Patent 4,134,120 to DeLoach et al., "Whip Antenna Formed of Electrically Conductive Graphite Strands Embedded in a Resin Material," describes antennas formed from fiber reinforced resin material.

U.S. Patent 6,617,976 to Walden et al., "Utility Meter Pit LID Mounted Antenna Antenna Assembly and Method," teaches, without providing details, that an antenna could be formed of conductive plastics.

U.S. Patent 6,531,983 to Hirose et al., "Method for Antenna Assembly and an Antenna Assembly with a Conductive Film Formed on Convex Portions," describes a dielectric antenna wherein a circuit pattern is formed of a conductive film or resin.

U.S. Patent 6,320,753 to Launay, "Integrated Circuit Board Combining External Contact Zones and an Antenna, and Process for Manufacturing Such a Board," describes forming an antenna using silk-screen printing of a conductive ink or a conductive resin.

U.S. Patent 6,486,853 to Yoshinomoto et al., "Chip Antenna, Radio Communications Terminal and Radio Communications System Using the Same and Method for Production of the Same," describes an antenna having a conductor wound on an insulating core body. The insulating core body can be formed using extrusion. There is no wire within the core body.


U.S. Patent 6,317,102 to Stambeck, "Method and Tool for Manufacturing an Antenna Unit, and an Antenna Unit," describes an antenna unit having an insulating jacket formed over a metallic core, such as a wire.

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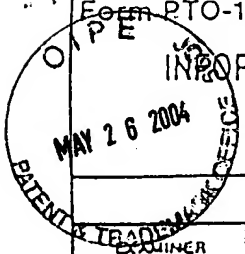
U.S. Patent 5,635,943 to Grunwell, "Transceiver Having Retractable Antenna Assembly," describes an antenna containing an antenna element having a conducting core surrounded by an insulating sheath.

U.S. Patent Application INT-03-001, Serial No. 10/780,214, filed 02/17/04, assigned to the same assignee, "Low Cost Antennas and Electromagnetic (EMF) Absorption in Electronic Circuit Packages of Transceivers Using Conductive Loaded Resin-Based Materials," describes low cost antennas and electromagnetic absorption structures using conductive loaded resin-based materials.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen B. Ackerman", with a stylized flourish extending to the right.

Stephen B. Ackerman,  
Reg. No. 37761



Form PTO-1449		Docket Number (Optional) <b>INT-03-003</b>	Application Number <b>10/799,103</b>
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <small>(Use several sheets if necessary)</small>			
		Applicant <b>Thomas Aisenbrey</b>	
		Filing Date <b>03/12/04</b>	Group Art Unit

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5771027	6/23/98	Marks et al.	343	912	4/28/97
	6249261	6/19/01	Solberg, Jr. et al.	343	801	3/23/00
	4134120	1/9/79	Dehoach et al.	343	715	10/12/76
	6531983	3/11/03	Hirose et al.	343	700MS	7/17/00
	6320753	11/20/01	Launay	361	760	9/17/98
	6617976	9/9/03	Walden et al.	340	870.02	11/19/01
	6486853	11/26/02	Yoshinamoto et al.	343	895	5/16/01
	6317102	11/13/01	Stambeck	343	900	3/12/99
	5635943	6/3/97	Grunwell	343	702	10/16/95

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
					YES	NO
GB 2 377449A	1/15/03	UK Patent App.	C08K3	3/08 7/06		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

-	US Patent App. INT-03-001, Serial # 10/780,214, Filed 02/17/04, assigned to the same assignee, "Low Cost Antennas and Electromagnetic (EMF) Absorption in Electronic Circuit Packages or Transceivers Using Conductive Loaded Resin-Based Materials"
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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.